

Dry Bulk Packaging...

The design and manufacture of Big Bags marks the beginnings of Structure-flex's success. The Original Big Bag, designed for multi-trip transportation, was the company's first product, and remains one of the most successful, having evolved to fulfil many different functions. An international bulk bag industry, centred around a range of products known collectively as Flexible Intermediate Bulk Containers [FIBCs] has grown out of Structure-flex's original product.

As the name suggests, FIBCs are used to handle dry products in bulk at varying stages of the manufacturing and production cycle, right through to the point of user packaging. Today, the majority of FIBCs for dry bulk are manufactured from highly technical and complex textile mixes which ensure total compliance with a range of performance, quality, hygiene and health and safety standards. Structure-flex took the strategic decision to form partnerships with specialised FIBC manufacturers, which now include accomplished manufacturers in the UK, Eastern Europe and the Far East. This supply chain network means that Structure-flex can supply a quality product for a comprehensive range of applications and packaging budgets, to a lead time which delivers when required.

FIBCs are available with capacities ranging from 250kg to 2.5 tonnes. However, Structure-flex has the capability of manufacturing specialist bags capable of handling even larger loads. They are used extensively in a variety of sectors including agriculture, healthcare, chemical, construction, food processing and manufacturing; the Structure-flex Dry Bulk Packaging team has over 15 years of experience and can match FIBC products to the very different application specifications demanded by each of these industry sectors.

Dry bulk packaging also involves the use of container units, which are transported internationally by road, sea and air, as 'mobile' FIBCs. Structure-flex has pioneered the development of bulk container liners for this important method of transportation between manufacture, storage and final processing.

In light of environmental consideration and cost-efficiency, Structure-flex offers a reconditioning [with the exception of bags used for hazardous goods] and recycling service. Big Bags with a safety factor of 6.1 or higher may be used up to five times; those unsuitable for reconditioning are shredded, washed, dried and melted into polypropylene granules for the manufacture of garden furniture etc.



Bulk Container Liners

Suitable for grains, malt, PP and PE granules and resin, sugar, flour, rice, salt and coffee. A variety of foodstuffs and chemicals can be easily and safely transported in a highly cost effective manner.

FIBCs

FIBC is the generic term for many of Structure-flex's bulk handling products, including both single trip disposable FIBCs as well as heavy duty durable multi-trip thermoplastic bulk bags, PE shaped liners and dry bulk container liners.

Oil Industry Big Bags

The oil industry requires a robust and environmentally friendly system for transportation of both chemicals and drill cuttings. Variants of the Big Bag are used for the two processes.

Original Big Bag

The Original Big Bag, the ultimate reusable, multi-trip bulk bag for use in demanding applications and environments, is manufactured from reinforced thermoplastic-coated material.

Reconditioning and Recycling

Extend the life of an FIBC as much as five-fold with Structure-flex's reconditioning service, and play an active part in environmental conservation process by recycling them at the end of their lives.

areas of expertise...

structure-flex[®]

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Bulk Container Liners...



By forming a protective shield between the product and container floor and walls, the Dry Bulk Liner provides safe and cost-effective transport for a number of products.

Structure-flex Container Liners are available in both woven PP and PE film and convert an ISO Container into a dry bulk transport system for shipping dry, free flowing materials such as granules or powders, grains, malt, sugar, flour, rice, salt and coffee.

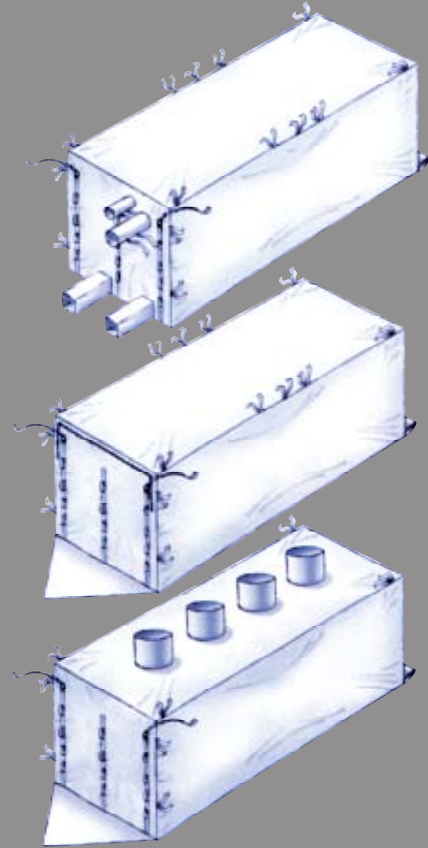
Dry bulk container liners can be manufactured to suit 20ft, 30ft and 40ft sizes with three different loading and discharge options.

Structure-flex brings a new dimension to container liner products with the introduction of a barless dry bulk container liner. This liner uses substantial and robust webbing in place of a bulkhead or steel bars. Not only does this reduce the cost of the packaging but also enhances ease of installation.

- **Fill/Discharge Options** – Each liner is design to meet individual specifications, but there are typically three filling and discharging options available – spout loading and discharge, zipper opening loading and chute discharge, top hatch loading and letterbox discharge.
- **Ease of Use** – A bulk container liner is quick and easy to fit in as little as 15 minutes and can be filled, or discharged in as short a time as 20 minutes.
- **Product Protection** – Dry bulk products such as granules and powders are protected in transit from moisture and contamination.
- **Tailor-made** – To suit individual requirements.
- **Increased Capacity** – The elimination of the use of pallets makes for increased load capacity.
- **Lightweight** – A 20ft liner weighs 10 kg.
- **Recyclable**

Market & Customers

All Structure-flex container liners are manufactured by leading global producers and exported to US, Europe and Africa. Lightweight and user friendly, they are a cost-effective solution for the transportation of sensitive products such as bulk ingredients and chemicals.



Pricing & Availability

Purchasers benefit from competitive pricing of high quality products, many of which are available ex-stock or on short lead times.

UK Distribution Network

A network of distributors and agents ensures easy product access by end users nationwide.

Customer Support & Advice

On-going training and familiarisation ensures Structure-flex staff can provide relevant product support and application advice.

Quality & Product Development

Structure-flex is an ISO 9001:2000 registered company. Product development is an on-going process within Structure-flex and the company prides itself on its ability to work with its customers to provide products to solve specific application needs.

features & benefits...

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